

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P180517

Luminaire Tested: **ICS-E01-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180517
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E01-LED-E1-SL2-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2511.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



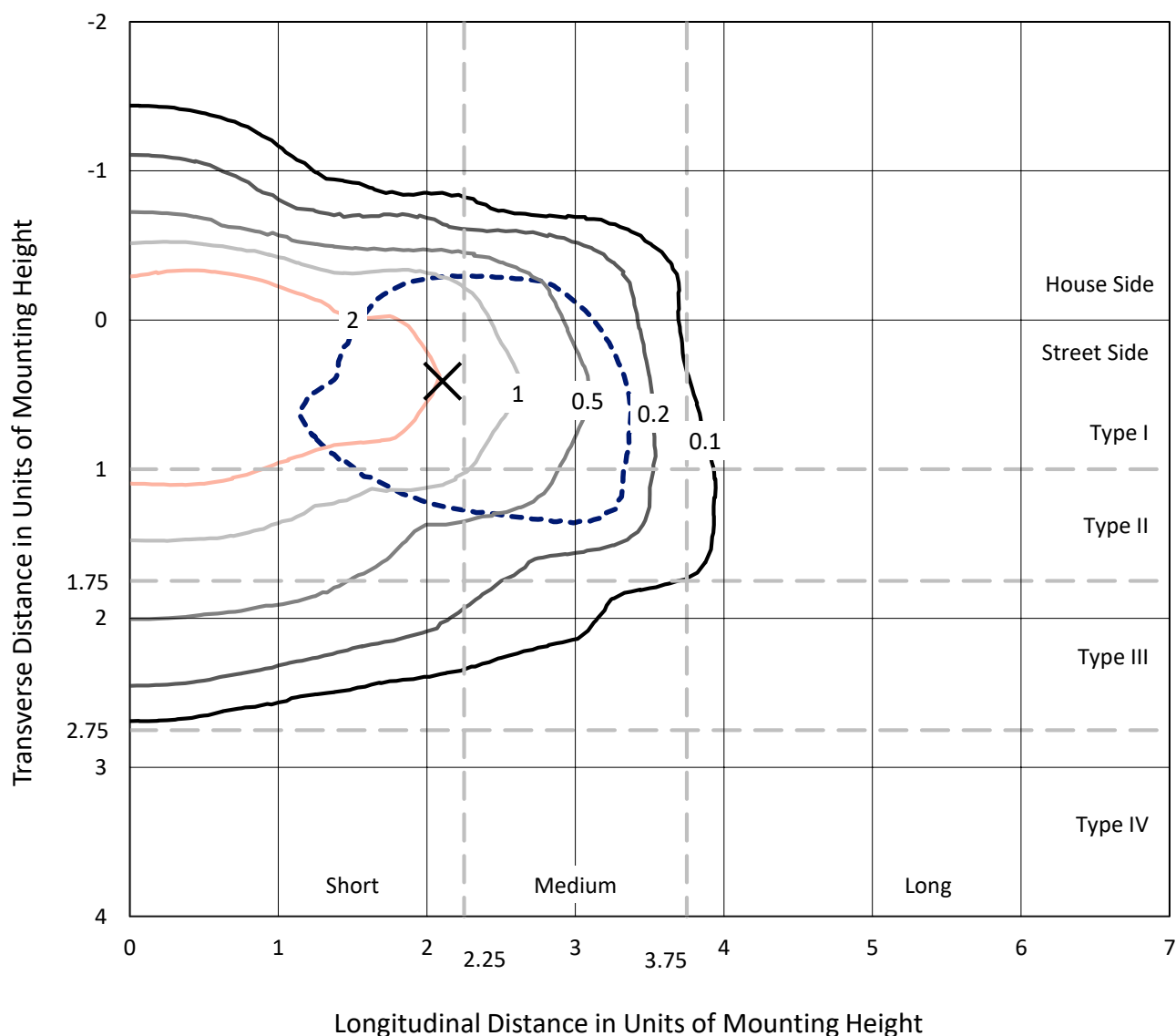
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

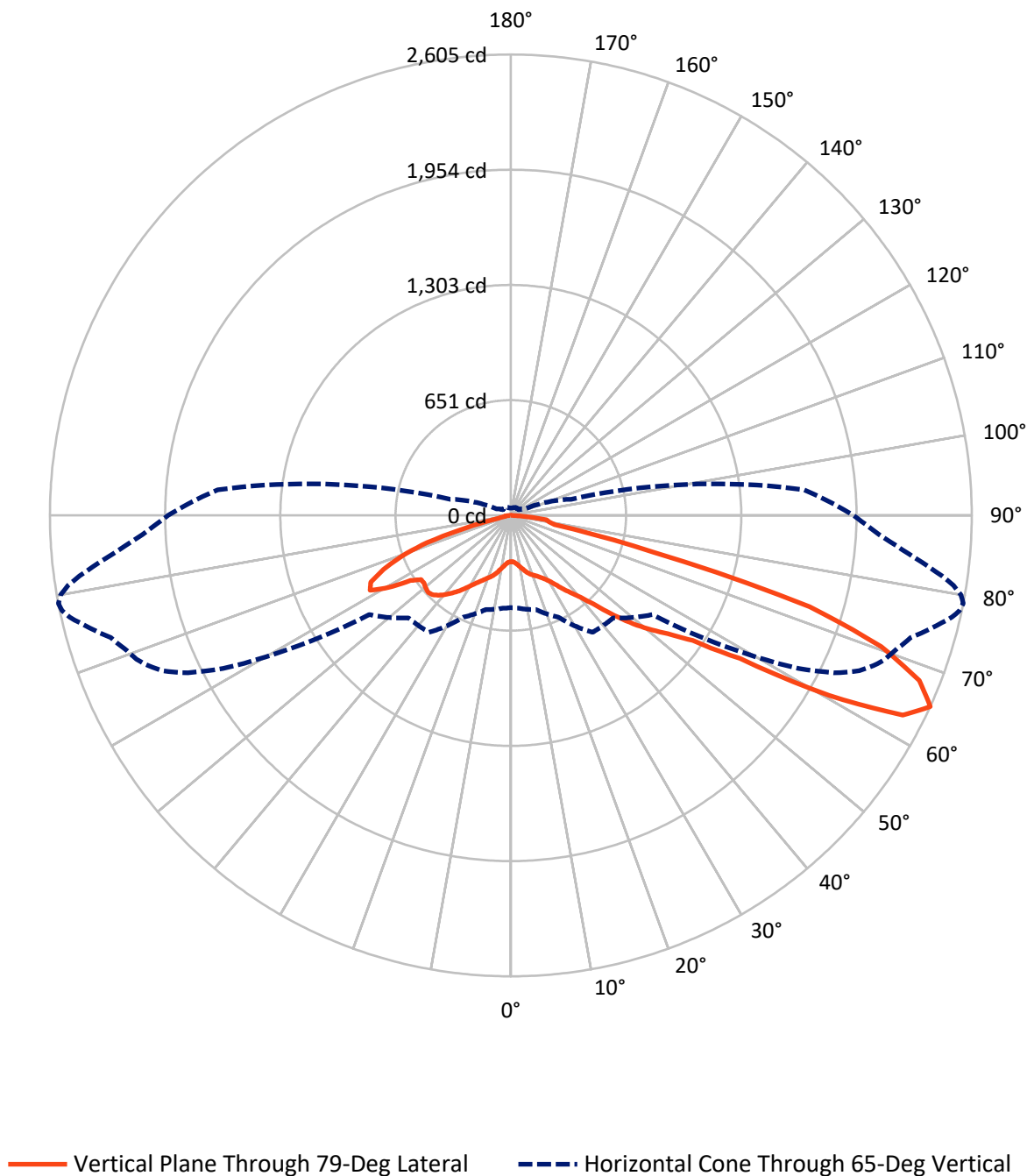


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.7	0.0	593.7
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1917.8	0.0	1917.8
	% Fixture	76.4	0.0	76.4
Total	Lumens	2511.5	0.0	2511.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.0
10°-20°	85.0	3.4
20°-30°	146.8	5.8
30°-40°	242.9	9.7
40°-50°	412.0	16.4
50°-60°	547.4	21.8
60°-70°	707.2	28.2
70°-80°	296.6	11.8
80°-90°	47.6	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2511.5	100.0
0°-180°	2511.5	100.0

Coefficient of Utilization



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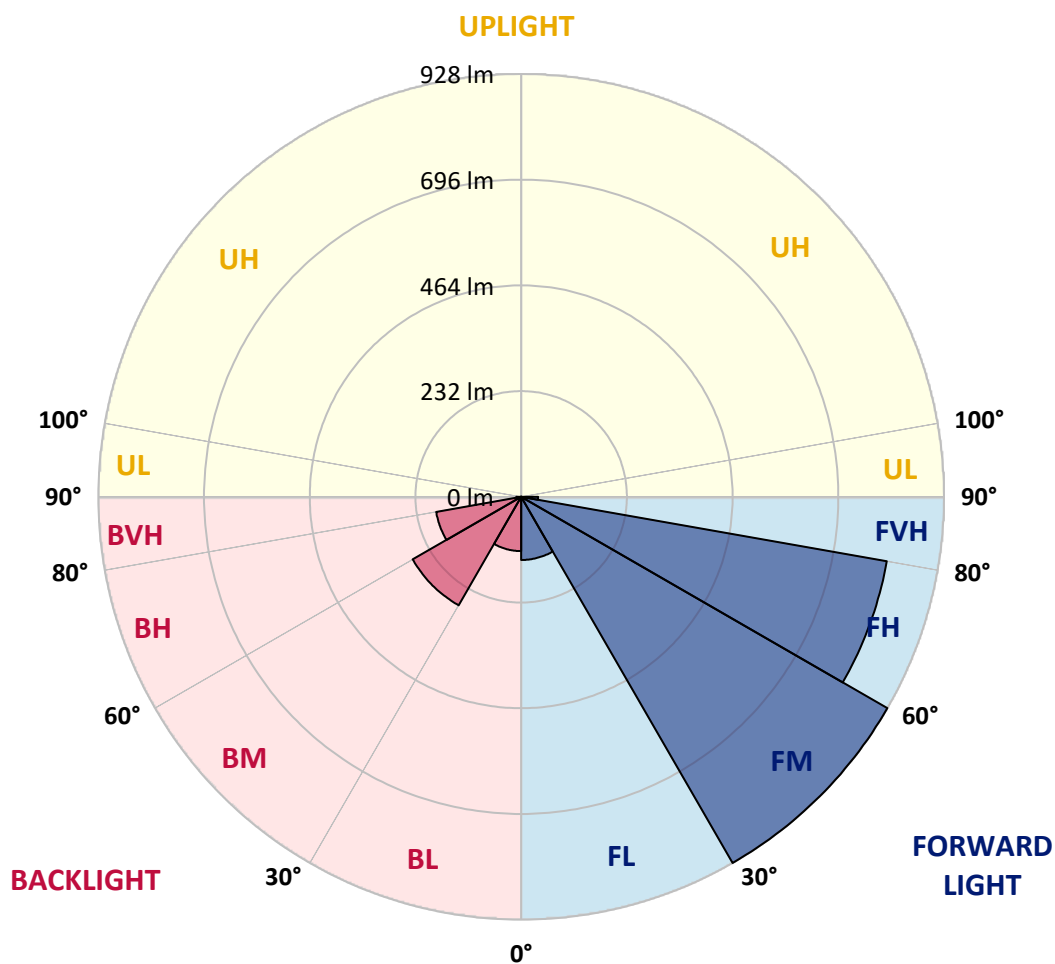
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.6	5.5			
FM	(30°-60°)	927.6	36.9			
FH	(60°-80°)	814.4	32.4			G1/1800
FVH	(80°-90°)	37.3	1.5			G1/100
BL	(0°-30°)	119.1	4.7	B1/500		
BM	(30°-60°)	274.8	10.9	B1/1000		
BH	(60°-80°)	189.3	7.5	B1/500		G1/500
BVH	(80°-90°)	10.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	260.6	261.4	260.9	261.4	262.0	262.2	262.8	262.5	262.5	262.8	262.2
5°	260.6	260.6	261.4	262.8	263.3	265.0	266.9	266.6	266.9	266.6	267.2
7.5°	266.1	265.8	266.6	268.3	268.8	271.3	274.6	275.1	275.7	275.7	276.5
10°	275.7	275.4	276.2	277.0	277.9	279.8	284.4	286.4	286.6	286.9	288.0
12.5°	287.7	287.4	286.4	286.4	286.1	289.6	295.9	299.5	300.1	301.1	302.0
15°	296.2	295.4	293.7	292.7	294.0	299.8	309.1	313.2	313.8	314.6	316.8
17.5°	304.4	303.6	300.1	297.3	299.2	308.5	321.2	325.5	326.6	327.5	329.9
20°	315.9	315.4	310.2	303.6	303.1	315.1	330.5	336.2	337.0	338.1	340.6
22.5°	333.5	331.0	325.0	312.7	306.6	319.0	337.0	345.0	346.1	347.2	350.5
25°	355.4	354.3	343.9	325.0	312.4	322.8	344.2	354.0	355.7	357.0	361.4
27.5°	378.1	376.5	365.3	340.6	322.5	330.5	355.4	366.6	368.8	371.0	375.1
30°	398.4	397.9	388.6	361.7	339.0	345.0	373.5	387.2	389.7	392.4	396.2
32.5°	446.1	446.4	436.8	409.4	378.7	371.3	399.5	420.1	421.2	424.5	431.3
35°	537.4	538.4	534.9	513.2	478.7	448.3	451.0	471.3	472.4	475.2	481.7
37.5°	598.5	600.7	611.6	618.5	600.9	587.0	552.2	544.2	545.0	543.4	542.0
40°	632.2	635.5	664.2	699.8	719.0	719.3	704.2	669.2	655.7	651.9	635.5
42.5°	651.3	656.8	697.7	758.5	813.6	851.4	860.7	821.8	811.9	794.4	762.9
45°	664.0	670.5	718.8	802.1	883.2	947.6	996.1	978.8	972.2	961.5	932.5
47.5°	661.8	667.0	717.1	816.9	919.6	1011.1	1097.2	1115.0	1107.0	1104.3	1084.6
50°	621.8	626.4	677.4	780.1	899.6	1035.2	1161.3	1211.7	1211.7	1216.9	1210.9
52.5°	579.0	582.8	629.1	721.5	834.9	1011.7	1196.9	1280.5	1291.5	1300.5	1314.7
55°	562.8	567.5	602.6	681.5	779.9	944.3	1209.0	1332.0	1352.3	1367.6	1400.0
57.5°	570.5	575.2	600.1	659.8	747.5	875.5	1209.5	1401.3	1440.5	1472.0	1537.5
60°	603.7	608.1	628.9	679.8	739.0	835.8	1186.2	1511.8	1574.2	1633.4	1742.5
62.5°	588.3	593.8	624.2	713.0	802.3	805.6	1102.1	1597.3	1697.8	1785.2	1958.7
65°	521.2	526.9	550.8	633.8	806.2	818.8	977.4	1598.9	1723.9	1842.0	2029.1
67.5°	395.7	397.9	416.8	483.4	644.8	833.3	849.2	1409.6	1528.5	1660.3	1853.5
70°	202.2	206.1	211.5	266.9	415.1	688.6	729.7	1038.8	1190.3	1326.5	1558.6
72.5°	70.1	71.5	77.0	101.9	202.2	451.9	638.7	711.9	803.4	930.8	1199.7
75°	42.2	42.2	44.1	51.5	92.3	235.4	568.3	581.5	593.8	636.5	812.5
77.5°	33.4	34.0	34.0	35.3	51.2	120.8	431.6	540.6	542.3	546.4	576.0
80°	23.8	24.9	27.1	28.2	33.2	66.3	242.2	474.6	506.9	522.6	544.2
82.5°	17.8	18.9	23.0	24.4	25.8	37.0	108.8	327.5	386.4	417.6	493.8
85°	7.9	9.3	15.6	17.3	18.1	19.7	51.0	93.2	107.1	120.3	158.7
87.5°	1.4	1.4	2.5	3.6	5.2	4.9	11.2	15.9	16.2	18.9	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	262.2	262.2	262.2	262.0	262.2	262.2	262.2	262.2	262.5	262.5	262.5
5°	268.0	267.4	267.7	267.7	267.7	267.4	268.0	267.7	268.0	268.8	268.5
7.5°	276.5	277.0	277.3	277.6	277.6	277.6	277.9	278.4	278.4	279.2	279.0
10°	289.1	288.8	289.1	289.9	290.7	291.0	291.8	291.6	292.1	293.2	294.3
12.5°	302.5	303.1	303.9	304.7	306.1	306.4	307.2	307.5	309.1	309.1	310.2
15°	317.6	317.9	319.5	319.8	321.4	322.0	323.3	323.9	325.8	326.1	327.2
17.5°	331.3	331.8	332.7	333.5	335.4	336.2	337.3	338.4	340.1	340.6	342.5
20°	342.3	343.3	343.6	345.3	346.9	348.0	349.1	350.2	351.8	352.7	354.6
22.5°	352.1	353.2	354.0	355.4	356.5	358.1	358.7	360.6	362.3	363.6	365.3
25°	362.8	364.4	365.3	367.7	368.6	370.2	371.6	373.5	375.7	377.3	379.5
27.5°	377.9	380.3	381.4	384.2	386.1	386.9	389.1	391.8	393.8	395.7	397.9
30°	398.7	403.4	404.2	406.1	409.7	410.2	412.9	415.1	418.2	420.1	422.0
32.5°	431.0	436.8	437.3	439.5	442.5	443.6	445.8	448.3	453.0	453.8	456.8
35°	480.6	483.1	485.3	486.1	488.6	489.9	491.6	494.3	499.0	498.4	501.7
37.5°	540.1	540.9	541.2	538.4	539.0	536.5	539.5	540.1	541.7	543.1	546.4
40°	625.0	616.5	615.4	608.9	602.3	598.7	597.4	591.9	593.3	593.8	596.5
42.5°	749.2	732.7	719.0	709.7	693.5	685.6	674.9	666.4	659.8	662.3	663.4
45°	906.5	882.9	861.0	832.5	811.4	796.3	777.4	760.4	752.7	749.2	753.6
47.5°	1063.5	1042.6	1016.9	987.6	954.1	929.2	897.7	870.0	850.8	843.7	847.5
50°	1199.1	1179.9	1160.5	1143.2	1104.3	1077.2	1034.2	998.3	968.1	952.8	948.7
52.5°	1311.7	1301.6	1291.2	1276.7	1245.4	1218.3	1184.0	1148.7	1108.7	1077.4	1066.8
55°	1412.3	1418.3	1413.1	1413.4	1401.1	1383.8	1354.8	1328.4	1300.5	1265.2	1250.4
57.5°	1558.9	1594.5	1601.6	1619.5	1628.2	1637.5	1645.8	1630.1	1623.0	1596.7	1597.0
60°	1789.9	1842.0	1887.2	1928.3	1962.0	1994.9	2029.4	2044.7	2061.7	2069.7	2096.8
62.5°	2035.7	2085.3	2152.7	2207.8	2238.7	2281.5	2319.0	2343.4	2373.3	2405.1	2446.5
65°	2096.5	2156.3	2198.7	2235.5	2266.1	2288.9	2309.4	2338.5	2363.4	2413.8	2462.6
67.5°	1940.6	1988.3	2027.2	2063.4	2087.2	2106.4	2124.8	2143.9	2186.7	2232.4	2281.5
70°	1665.8	1723.3	1787.7	1834.6	1846.3	1862.8	1880.3	1905.3	1926.6	1974.6	2011.9
72.5°	1338.3	1421.1	1475.6	1540.5	1554.5	1579.5	1589.3	1608.8	1612.6	1638.6	1648.5
75°	932.8	1027.6	1082.4	1130.1	1139.4	1125.7	1131.2	1062.4	1044.8	1030.6	1019.1
77.5°	615.7	641.2	650.0	642.3	605.6	576.8	546.1	516.0	519.3	494.9	452.1
80°	547.5	553.2	545.3	537.6	516.5	486.4	458.7	430.5	416.5	401.7	379.8
82.5°	532.7	554.9	557.4	548.0	531.3	498.4	465.0	423.1	387.5	354.6	321.2
85°	178.1	216.7	234.0	250.2	255.1	260.9	241.1	214.3	181.9	160.3	125.5
87.5°	22.7	28.2	32.6	28.0	32.6	38.4	27.7	31.0	31.2	19.5	14.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	262.8	262.5	262.5	262.5	262.2	262.5	262.5	262.5	262.5	262.5	262.2
5°	268.8	268.8	269.6	269.9	269.4	269.1	269.4	269.6	269.6	269.4	269.6
7.5°	280.0	280.3	280.9	281.7	281.1	281.4	281.7	281.4	282.2	282.5	282.2
10°	294.3	294.8	296.2	296.5	296.2	297.3	297.6	297.0	297.6	297.6	298.7
12.5°	310.7	311.3	312.9	313.5	314.0	314.3	315.1	315.4	316.2	316.8	317.6
15°	328.5	329.1	330.2	332.1	332.7	333.2	333.8	335.4	335.7	336.8	337.6
17.5°	343.6	344.4	346.1	347.5	348.3	349.6	350.2	352.1	352.7	354.3	355.7
20°	355.7	357.0	358.4	360.1	361.4	363.1	363.6	365.5	366.6	367.5	369.1
22.5°	366.6	368.3	370.2	372.1	373.2	375.4	376.2	377.1	379.5	380.6	382.3
25°	380.9	382.5	384.7	387.2	388.3	391.0	391.8	393.2	396.0	397.1	399.5
27.5°	400.3	402.5	404.2	406.6	408.0	409.9	411.9	413.5	416.0	417.6	420.3
30°	424.7	426.4	429.1	431.0	433.2	436.0	438.2	439.8	441.2	443.6	446.7
32.5°	460.6	460.9	461.7	466.4	468.6	470.8	473.8	475.2	477.3	479.8	483.1
35°	505.3	507.8	509.7	511.9	514.3	516.8	517.9	522.0	523.9	527.2	530.5
37.5°	549.7	550.0	554.3	555.7	557.9	560.4	564.2	568.3	573.2	576.5	581.7
40°	597.4	599.6	605.0	607.8	610.5	616.5	619.6	626.1	634.4	639.0	647.8
42.5°	666.4	669.7	679.6	684.0	690.5	700.4	706.7	715.7	719.0	730.3	734.4
45°	756.8	767.0	781.2	790.5	802.3	813.0	818.5	822.6	827.5	836.3	835.2
47.5°	854.7	867.8	883.7	902.9	910.6	923.2	930.3	938.2	933.9	931.7	929.5
50°	955.0	970.3	991.4	1008.7	1020.5	1028.1	1034.2	1033.1	1023.7	1018.8	1005.1
52.5°	1066.5	1075.5	1095.5	1110.3	1117.5	1119.1	1117.7	1109.5	1100.7	1085.1	1069.0
55°	1237.5	1233.4	1241.3	1248.2	1246.0	1253.6	1233.9	1226.2	1204.6	1184.3	1162.7
57.5°	1584.9	1590.4	1546.0	1526.0	1522.5	1529.6	1494.8	1490.4	1438.1	1431.5	1395.0
60°	2093.0	2119.8	2085.0	2065.6	2013.0	1995.7	1956.8	1940.6	1890.5	1849.9	1798.7
62.5°	2474.9	2499.3	2513.9	2486.2	2455.5	2410.3	2351.4	2286.1	2233.0	2170.8	2116.5
65°	2509.5	2558.8	2592.2	2605.1	2583.5	2533.9	2461.2	2379.0	2297.7	2219.6	2151.1
67.5°	2348.1	2392.2	2444.0	2490.3	2493.0	2460.7	2398.8	2315.2	2221.2	2124.8	2044.5
70°	2070.8	2126.1	2171.3	2220.1	2254.1	2235.5	2204.5	2127.8	2030.2	1955.1	1862.8
72.5°	1684.1	1707.4	1718.4	1766.3	1766.9	1732.9	1711.0	1668.5	1589.9	1536.7	1466.3
75°	983.5	932.2	877.7	830.3	791.6	775.5	703.7	691.6	643.4	613.5	569.7
77.5°	405.5	359.8	300.9	251.8	203.3	181.4	149.6	135.6	117.6	109.6	104.4
80°	347.7	304.4	260.0	217.6	179.8	141.9	110.4	85.8	67.4	57.3	53.2
82.5°	283.9	257.9	226.9	203.9	174.3	146.1	123.3	95.6	71.5	52.6	40.3
85°	102.5	84.1	67.7	62.2	49.6	40.8	34.3	29.3	24.1	19.2	17.0
87.5°	11.5	11.0	6.3	6.0	6.9	4.9	5.8	5.2	4.4	3.8	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: ICS-E01-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	262.2	262.2	262.5	262.5	262.8	263.1	263.6	263.3	263.3	263.6	263.6
5°	269.6	270.5	270.2	270.2	270.2	270.5	270.7	269.6	268.5	267.4	266.9
7.5°	282.5	283.1	283.6	283.1	283.6	283.3	282.8	279.8	276.2	271.8	268.8
10°	299.2	299.2	299.8	299.5	300.6	299.8	298.1	291.3	283.6	274.3	267.4
12.5°	317.3	319.2	318.4	318.7	320.9	318.7	314.8	304.7	291.0	275.9	263.9
15°	338.7	339.5	340.1	339.2	340.6	338.7	331.8	315.7	295.7	274.6	256.8
17.5°	356.2	356.5	356.8	357.3	359.2	357.0	345.3	323.3	296.8	268.3	244.7
20°	369.9	371.3	372.4	372.4	375.1	371.8	356.2	327.2	293.2	257.9	229.4
22.5°	384.2	385.3	386.6	386.9	390.5	387.2	365.3	326.4	283.9	243.1	211.5
25°	401.7	402.8	403.9	405.3	410.2	405.5	374.3	323.1	271.0	225.5	192.4
27.5°	422.0	424.5	425.3	427.5	433.2	426.1	382.0	318.1	256.8	205.2	172.1
30°	449.1	452.1	453.2	456.2	464.2	448.6	386.4	309.6	238.7	184.7	150.4
32.5°	485.6	489.7	493.0	496.3	505.3	471.0	386.9	297.3	217.6	161.7	129.6
35°	533.2	539.5	542.0	544.2	552.7	495.4	384.5	279.0	191.8	138.1	113.2
37.5°	586.7	593.0	594.6	595.7	597.4	516.3	378.4	251.0	162.8	117.6	100.0
40°	652.4	657.9	660.1	658.5	649.7	532.4	365.0	218.4	134.5	103.6	91.8
42.5°	732.7	741.0	741.8	734.4	705.3	541.5	338.1	180.0	112.3	93.4	85.5
45°	832.2	831.7	827.0	821.8	765.9	537.9	300.6	146.6	98.4	85.5	79.7
47.5°	921.5	912.2	905.1	889.7	819.3	517.1	252.1	121.4	89.9	79.5	74.8
50°	994.7	977.7	962.6	945.9	859.1	480.1	203.9	103.0	81.9	74.3	70.1
52.5°	1052.5	1032.0	1014.4	998.0	897.4	439.0	167.2	89.6	74.3	69.1	64.9
55°	1142.9	1122.4	1094.4	1076.4	956.1	401.2	143.3	78.9	66.9	63.6	59.5
57.5°	1371.7	1353.7	1320.2	1273.4	1106.8	386.9	129.9	70.7	60.8	58.9	55.6
60°	1771.3	1741.9	1698.4	1650.7	1413.1	396.5	119.2	64.9	56.7	55.1	52.6
62.5°	2072.7	2021.2	1971.8	1927.7	1658.1	396.2	105.2	60.6	53.7	52.9	50.4
65°	2085.0	2032.7	1983.1	1936.8	1663.6	352.7	88.8	56.7	53.2	52.9	48.8
67.5°	1974.3	1917.6	1869.6	1811.3	1540.0	275.7	71.2	54.3	55.4	54.8	48.2
70°	1793.5	1719.5	1680.0	1622.5	1355.3	192.9	58.6	55.1	60.0	58.4	49.0
72.5°	1407.6	1351.7	1291.7	1251.7	1061.0	121.9	49.3	55.6	61.9	59.2	51.2
75°	523.9	539.0	514.3	505.6	539.0	71.5	43.8	51.8	55.4	51.2	46.6
77.5°	105.8	101.1	95.9	94.8	122.5	44.1	40.3	44.9	42.5	37.5	37.8
80°	50.7	49.3	47.7	47.4	45.5	36.7	37.3	38.4	32.1	29.0	31.0
82.5°	33.7	31.8	31.2	30.1	30.7	32.9	35.3	32.9	24.7	23.0	28.0
85°	15.6	15.1	14.8	14.8	16.4	29.6	29.3	24.1	17.0	16.4	28.0
87.5°	3.8	3.8	4.1	3.8	4.4	8.8	7.7	7.4	6.3	7.1	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	165°	175°	180°
0°	261.4	261.4	261.4
2.5°	263.3	263.6	263.3
5°	265.8	265.8	265.8
7.5°	265.8	265.0	264.7
10°	262.0	259.5	259.5
12.5°	255.4	251.3	250.7
15°	243.1	237.6	236.8
17.5°	227.4	220.0	218.7
20°	209.9	200.6	198.9
22.5°	190.7	180.0	179.2
25°	171.8	160.8	158.7
27.5°	150.7	140.0	138.9
30°	129.6	120.3	119.7
32.5°	111.8	106.0	104.9
35°	99.2	95.9	94.5
37.5°	91.0	88.5	88.2
40°	84.7	82.5	82.2
42.5°	79.5	77.5	77.3
45°	74.3	72.6	72.1
47.5°	69.1	67.4	67.1
50°	64.4	62.2	61.9
52.5°	60.0	57.8	57.3
55°	55.9	53.7	53.7
57.5°	52.3	50.1	49.9
60°	49.0	46.9	46.6
62.5°	46.6	43.8	43.6
65°	44.7	41.9	41.4
67.5°	43.6	40.3	39.5
70°	45.5	39.5	38.1
72.5°	45.8	38.6	36.7
75°	44.1	36.4	35.1
77.5°	38.6	32.6	31.2
80°	33.4	25.2	23.3
82.5°	31.8	20.6	17.8
85°	24.7	13.4	12.6
87.5°	14.0	7.4	6.0
90°	0.0	0.0	0.0

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